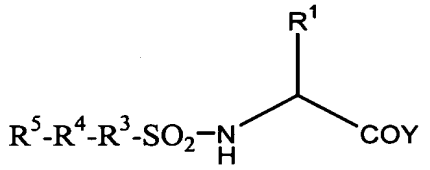
carboxy, nitro, cyano, trifluoromethyl, substituted or unsubstituted amino, guanidino, phenyl, and benzyloxy, and

Y is -NHOH or -OH,

or a pharmaceutically acceptable salt or hydrate thereof.

32. (Amended) A method of inhibiting the activity of a metalloproteinase comprising administering an effective amount of a compound [of claim 26] of the formula I:



(I)

wherein R^5 is an optionally substituted phenyl group,

R^4 is a bond,

R^3 is phenylene

R^1 is a lower alkyl optionally substituted with one or more substituents selected from the group consisting of hydroxy, alkoxy, mercapto, alkylthio, cycloalkyl, halogen, carboxy, nitro, cyano, trifluoromethyl, substituted or unsubstituted amino, guanidino, phenyl, and benzyloxy, and

Y is -NHOH or -OH,

or a pharmaceutically acceptable salt or hydrate thereof to a subject in need thereof.